Contents

Volume 54 (1990)

No. 1

| M. Krumbiegel and K. Arnold (Leipzig, G.D.R.), Microelectrophoresis studies of the binding of glycosaminoglycans to phosphatidylcholine liposomes |
|---|
| D.B. Fenske and R.J. Cushley (Burnaby, Canada), Insoluble complex formation between low density lipo- |
| protein and heparin. A 31P-NMR study |
| J.E. Baenziger, I.C.P. Smith and R.J. Hill (Ottawa, Canada), Biosynthesis and characterization of a series of deuterated cis, cis-octadeca-6,9-dienoic acids |
| M. Chautan, M. Dell'Amico, M. Bourdeaux, J. Leonardi, M. Charbonnier and H. Lafont (Marseille, France), Lipid diet and enterocyte microsomal membrane fluidity in rats |
| A.I.P.M. de Kroon, J.W. Timmermans, J.A. Killian and B. de Kruijff (Utrecht, The Netherlands), The pH dependence of headgroup and acyl chain structure and dynamics of phosphatidylserine, studied by ² H-NMR |
| B.I. Glänzer, K. Königsberger, B. Berger, K. Faber and H. Griengl (Graz, Austria), Strategies for the chemoenzymatic preparation of optically active 1-alkyn-3-ols. |
| O.H. Abdelmageed, R.I. Duclos Jr., E. Abushanab and A. Makriyannis (Storrs, CT, Cambridge, MA and Kingston, RI), Chirospecific syntheses of ² H- and ¹³ C-labeled 1-O-alkyl-2-O-alkyl'-sn-glycero-3-phos- |
| phoethanolamines and 1-O-alkyl-2-O-alkyl'-sn-glycero-3-phosphocholines |
| H.D. Dörfler and P. Miethe (Dresden, G.D.R.), Phase diagrams of pseudo-binary phospholipid systems II. Selected calorimetric studies on the influence of branching on the mixing properties of phosphatidyl- |
| cholines |
| R. Koynova and HJ. Hinz (Sofia, Bulgaria and Regensberg, F.R.G.), Metastable behaviour of saturated phosphatidylethanolamines: a densitometric study |
| Short communication |
| R.C. Mordi and J.C. Walton (Fife, U.K.), Electron spin resonance study of free radicals generated from retinyl- and ionyl-derivatives |
| No. 2 |
| W. Ehringer, D. Belcher, S.R. Wassall and W. Stillwell (Indianapolis, IN), A comparison of the effects of linolenic (18:3Ω3) and docosahexaenoic (22:6Ω3) acids on phospholipid bilayers |
| H. Brachwitz, P. Langen, G. Dube, J. Schildt, F. Paltauf and A. Hermetter (Berlin, Germany and Graz, |
| Austria), Halo lipids. 10. Synthesis and cytostatic activity of O-alkylglycerophospho-L-serine analogs |
| M.M. Basti and L.A. LaPlanche (DeKalb, IL), 'H-, '3C- and 31P-NMR studies of dioctanoyl- |
| phosphatidylcholine and dioctanoylthiophosphatidylcholine |
| L.C. Stewart, M. Kates, I.H. Ekiel and I.C.P. Smith (Ottawa, Canada), Molecular order and dynamics of |
| diphytanylglycerol phospholipids: a ² H- and ³¹ P-NMR study |
| M.A. Singer, L. Finegold, P. Rochon and T.J. Racey (Kingston, Canada and Philadelphia, PA), The formation of multilamellar vesicles from saturated phosphatidylcholines and phosphatidylethanolamines: |
| morphology and quasi-elastic light scattering measurements |

No. 3, 4

| Review article |
|---|
| J.B. Finean (Birmingham, U.K.), Interaction between cholesterol and phospholipid in hydrated bilayers |
| M. Jansson, R.L. Thurmond, T.P. Trouard and M.F. Brown (Tucson, AZ), Magnetic alignment and orientational order of dipalmitoylphosphatidylcholine bilayers containing palmitoyllysophosphatidylcholine |
| HD. Dörfler, P. Miethe and A. Möps (Dresden, G.D.R.), Phase diagrams of pseudo-binary phospholipid systems III. Influence of the head group methylation on the miscibility behaviour of N-methylated phosphatidylethanolamine mixtures in aqueous dispersions |
| HD. Dörfler, P. Miethe and H.W. Meyer (Dresden, G.D.R.), Phase diagrams of pseudo-binary phospholipid systems IV. Preliminary results about the effects of LiCl and CaCl ₂ on the phase |
| transitions of amphoteric phospholipids in aqueous dispersions L.T. Boni, W.R. Perkins, S.R. Minchey, L.E. Bolcsak, S.M. Gruner, P.R. Cullis, M.J. Hope and A.S. Janoff (Princeton, NJ and Vancouver, Canada), Polymorphic phase behavior of alphatocopherol hemisuccinate |
| P.E. Sonnet, J.A. Gazzillo, R.L. Dudley and R.T. Boswell (Philadelphia, PA), Synthesis and characterization of enantiomers of 5- and 6-methyloctanoic acids |
| T. Ioneda (São Paulo, Brazil), Mass spectrometric analysis of O-peracetylated derivatives of 1-mono-mycoloylglycerol isolated from Corynebacterium pseudotuberculosis, Rhodococcus rhodochrous and R. lentifragmentus |
| R.N. Reusch (East Lansing, MI), Influence of alkali metal cations on the transport of calcium by phosphatidate in multi-phase systems |
| Corrigendum |
| Announcements |
| Subject Index — Volume 54 |
| Author Index — Volume 54 |

